

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
16 June 2005 (16.06.2005)

PCT

(10) International Publication Number  
**WO 2005/053872 A1**

(51) International Patent Classification<sup>7</sup>: **B21D 39/04**,  
26/02

(21) International Application Number:  
PCT/EP2004/013792

(22) International Filing Date: 3 December 2004 (03.12.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
103 56 533.7 4 December 2003 (04.12.2003) DE

(71) Applicant (for all designated States except US): **DAIM-  
LERCHRYSLER AG** [DE/DE]; Epplestrasse 225, 70567  
Stuttgart (DE).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **EIPPER, Konrad**  
[DE/DE]; Dorfanger 26, 72108 Rottenburg (DE).

(74) Agents: **BOGERT, Valentin** et al.; DaimlerChrysler AG,  
Intellectual Property Management, IPM - C106, 70546  
Stuttgart (DE).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

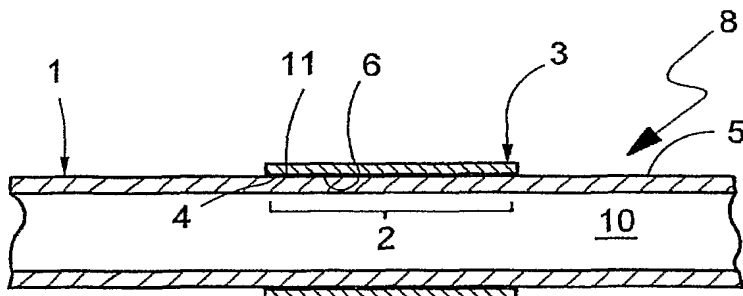
(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,  
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,  
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: METHOD FOR JOINING JOINT PARTS TO HOLLOW PROFILES



(57) Abstract: The invention relates to a method for joining at least one joint part (3), which is provided with a through opening (4), to a hollow profile. The joint part (3), with a through opening thereof, is slid onto the hollow profile as far as a joint point (3) and the hollow profile (1) is expanded, at least at the joint point (2). In order to improve the service life of the connection between the joint part (3) and the hollow profile (1), an adhesive is placed between an inner side (6) of the joint part (3) and an outer side (5) of the hollow profile prior to expansion, said

adhesive adhering to the inner side (6) and outer side (5) in the region of the joint point (2).

WO 2005/053872 A1